

REMARKS

Claims 1-17 and 24-27 were rejected under 35 U.S.C. 103 as being unpatentable over Rooney et al in view of Vilanilam et al.

It appears to Applicants that the art relied upon by the Examiner does not show, suggest, or even vaguely describe Applicants' invention. Clearly, the Examiner is attempting rely on the deficiencies of the English language to boot strap a rejection of Applicants' unique invention. Applicants provides a generally solid, one piece lamp assembly in which the circuit board is position within a mold in place lens material which is flowable about and encapsulates the circuit board and light-emitting diodes. The lens material is juxtaposed with the circuit board and the light-emitting diodes to form a generally solid body. The claims now recites that language to show the difference between Applicants' invention and the art relied upon by the Examiner. There is nothing in the art relied upon by the Examiner that shows a generally solid body mass of material which forms the lamp assembly set out in applicant's specification and claims. In all of the art, the various pieces are put together by means of attachment devices and o-rings, for example, the o-rings 28 in Vilanilam and/or bushings 84, also shown there. Nothing in Vilanilam, or any of the other art relied upon by the Examiner, shows the unitary structure set out in Applicants' claims.

Vilanilam adds nothing to Roney. Roney provides an air pocket or space between the circuit board/led combination and the lens. The lens appears to be breakable and relies on the use of an aluminum housing to protect the lens. Nothing in Roney, alone or in combination with Vilanilam provides Applicants invention. Roney specifically provides

that the formable medium "...is operable to bond the carrier, the light transmissive window and the inner surface of the housing such that the space between the carrier and the light transmissive window is hermetic." (Col.1, lines 44-47). Rooney clearly employs a separate lens assembly, and the lens assembly is structurally different from any material that encapsulates the diodes or the circuit board. Nothing in Rooney shows or describes how the entire assembly can be constructed from material that forms the lens, which is the same material that encapsulates the diodes, which is the same material that is juxtaposed to the diodes, which is the same material that encapsulates the circuit board which is the same material that forms a one piece unit after molding.

Deese, newly cited by the Examiner, likewise is deficient. There is nothing in that patent that shows, describes or even vaguely intimates how a waterproof and relatively shock proof structure can be assembled as set forth in applicant's specification.

As indicated above, claim 1 has been amended to show the changes to include the fact that the material is flowable about and encapsulates the circuit board and light emitting diodes, and is juxtaposed with the circuit board and the light emitting diodes to form a generally solid body. Consequently, claim 1 is believed to distinguish over the art of record.

Claims 2-8 are allowable with the base claim.

Claim 9 is amended to indicated that the moldable lens material completely encapsulates the circuit board and light emitting diodes to form a one piece unit. Nothing

in the art of record shows a one piece unit in which the lens material encapsulates and is a part of both the emitting diodes and circuit board, in a one piece device. Consequently, claim 9 is believed to distinguish structurally over the art of record and to be unobvious from the art.

Claims 10-17 are allowable with the base claim.

Claim 18 describes a method for forming a lamp assembly which inherently describes a one piece unit in that the circuit board having a plurality of light emitting diodes mounted thereon is inserted in the mold, the mold is filled with a flowable lens material, the lens material is hardened and the lamp assembly is removed. Nothing in the art shows, describes or even vaguely intimates that method of construction. Consequently, claim 18 is believed to be allowable over the prior art.

Claims 19-23 are allowable with the base claim.

Claim 24 is amended by including the language after the language above to indicate the moldable lens material encapsulates the circuit board and light-emitting unit to define a one piece lamp assembly unit. Nothing in the art shows, describes or vaguely suggests a one piece light assembly unit as described in applicant's specification. Consequently, claim 24 is believed to be allowable over the art of record.

It's respectfully suggested that the words being added to the claims are not required to distinguish the invention from the art of record, in that all of the art of record relied upon by the Examiner shows a conventional construction of a multiple part pieces

assembled to provide a light, but which do not show a similar construction, do not function, and do not give the same result as Applicants' invention. Applicants' invention is unique in that it provides a relatively unbreakable, waterproof, one piece lamp assembly which then may be directly inserted in an application. The art is completely devoid of any similar structure.

For the reasons of the claims distinguish structurally from the art of record, and are not shown, described or even vaguely intimated by the art, where the art is considered singly or in combination, entrance of the amendment and passage of the claims to issue are respectfully requested.

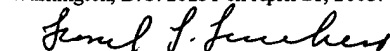
Respectfully Submitted,

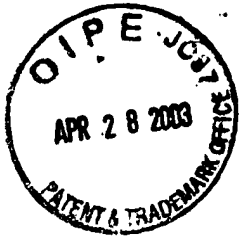
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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FILED: March 9, 2000	DOCKET NO.: Anabel Ton
FOR: LED LAMP ASSEMBLY	

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AMENDMENT C WITH MARKINGS

1. (Amended)A lamp assembly comprising:

a support circuit board;

a plurality of light emitting diodes mounted to said circuit board;

an electrical connection attached to said circuit board and extending

outwardly of said lamp assembly;

a mold in place lens material flowable about and encapsulating the circuit board and light emitting diodes, and formed to provide a predetermined shape for said lens assembly, said electrical connection extending outwardly of said lens assembly, the lens material being juxtaposed with the circuit board and light emitting diodes to form a generally solid body which includes the lens assembly.

9. (Amended) A lamp assembly having a predetermined shape, comprising;

a circuit board;

a least one light emitting unit connected to said circuit board;

an electrical connection attached to said light emitting unit; and

a moldable lens material completely encapsulating the circuit board and

light emitting unit to form a one piece unit, said lens material defining at least a portion of the predetermined shape of said lamp assembly.

24. (Amended) A lamp assembly having a predetermined shape, comprising;

a circuit board;

at least one light emitting unit connected to said circuit board; and

a moldable lens material completely encapsulating the circuit board and

light emitting unit so as to define a one piece lamp assembly unit, said lens material defining at least a portion of the predetermined shape of said lamp assembly, encapsulating providing at least water resistance protection for the light emitting unit.